Dr. Sujit Ghosh

Current position	Head of the Department (w.e.f. 01.08.2025)
Designation	Associate Professor
Department	Chemistry
Specialization	Organic Chemistry

Education

Degree	Field of Study	Institution	Year
Madhyamik	-	Raiganj Coronation High School	2000
Higher Secondary	Science Stream	Raiganj Coronation High School	2002
B.Sc	Chemistry (Honours)	Raiganj College (University College)	2005
M. Sc.	Organic Chemistry	University of North Bengal	2007
Ph.D.	Organic Chemistry	University of North Bengal	2017

Contact Information

- Mobile: +91 9434961143 & +91 7001399766
- Email: sujit2484@gmail.com & sujitghosh@rsmraiganj.in

Teaching Experience

- Served as Assistant Teacher in Dwarin High School, P.O: Karandighi, Dist: U/D from 20.09.2007 to 31.05.2008
- Served as Assistant Professor in Raiganj Surendranath Mahavidyalaya from 17.03.2010 to 16.03.2024
- Serving as Associate Professor in Raiganj Surendranath Mahavidyalaya since 17.03.2024 (At present)

Important Link

www.rsmraiganj.in
https://scholar.google.com/citations?user=PA03BlQAAAAJ&hl=en
https://www.researchgate.net/profile/Sujit-Ghosh-13
https://orcid.org/0000-0001-7659-2055
https://vidwan.inflibnet.ac.in/profile/555555
https://www.webofscience.com/wos/author/record/PLC-5708-2026
https://www.scopus.com/authid/detail.uri?authorId=59607764500
linkedin.com/in/sujit-ghosh-0a440571

Qualified in various competitive examinations and explored diverse employment opportunities:

- West Bengal School Service Commission (2006)
- CSIR-NET (2007)
- West Bengal State Eligibility Test (2008)
- BARC (2008)
- GATE (2009)
- Selected as Junior Chemist in Chembiotech, Kolkata (2007)
- Selected as Chemist in Indian Oil Corporation Limited, Dehradun (2007)
- Recommended as Lecturer in Chemistry at Jalpaiguri Govt. Engineering College by West Bengal Public Service Commission (2010)

Research Interests

- New Reaction Methodologies, Green Chemistry, Organometallic Chemistry, Heterogeneous Catalyst

Teaching Responsibilities

- Undergraduate course in Chemistry as per University of Gour Banga Syllabus (CBCS and NEP)
- Topics taught at the UG level: Entire Organic Syllabus (Theory & Practical)

Administrative and Other Responsibilities (Past & Present)

- Bursar (2012-2014)
- Member, PMU, RUSA 2.0 (2018-2023)
- Member, IQAC Committee (2017 to 2025)
- Member, Library Committee (2021-2023 & 2023-2025)
- Member, Anti-Ragging Committee (2023-2025)
- Member, Purchase Committee (2023-2025 & 2025-2027)
- Member, Sports Committee (2023-2025)
- Member, Incubation Cell (2025-2027)
- Member, Academic Council (2025-2027)
- Convener, IPR Cell (2025-2027)

Publications

Research Article

1. "Highly effective alternative aryl trihydroxyborate salts for a ligand–free, on–water Suzuki–Miyaura coupling reaction" Basudeb Basu*, Kinkar Biswas, Sekhar Kundu and Sujit Ghosh, *Green Chem.*, 2010, *12*, 1734–1738. https://doi.org/10.1039/C0GC00122H (IF: 11.03)

2. "Graphene oxide (GO) or reduced grapheme oxide (rGO): efficient catalysts for one pot metal–free synthesis of quinoxalines from 2–nitroaniline" Babli Roy, Sujit Ghosh, Pranab Ghosh and Basudeb Basu*, *Tetrahedron Lett.*, 2015, *56*, 6762–6767. https://doi.org/10.1016/j.tetlet.2015.10.065 (IF: 2.03)

3. "Cyclic ammonium salts of dithiocarbamic acid: stable alternative reagents for the synthesis of *S*–alkyl carbodithioates from organyl thiocyanates in water", Kinkar Biswas, Sujit Ghosh, Pranab Ghosh and Basudeb Basu*, *J. Sulfur Chem.*, 2016, *37*, 1–16. https://doi.org/10.1080/17415993.2016.1166225 (IF: 2.35)

4. "An unexpected *ortho*–hydroxyl effect in metal catalyst–free A^3 coupling reaction", Sujit Ghosh, Kinkar Biswas,Pranab Ghosh and Basudeb Basu*, *Beilstein J. Org. Chem.*, 2017, *13*, 552–557. https://doi.org/10.3762/bjoc.13.53 (IF: 2.54)

5. "Stabilized Cu_2O Nanoparticles on Macroporous Polystyrene Resins [Cu_2O@ARF]: Improved and Reusable Heterogeneous Catalyst for On-Water Synthesis of Triazoles via Click Reaction" Sujit Ghosh, Debasish Sengupta, Sankar Saha, Shreyasi Chattopadhyay, Goutam De* and Basudeb Basu*, *Ind. Eng. Chem. Res.*, 2017, *56* (41), 11726–11733. https://doi.org/10.1021/acs.iecr.7b02656 (IF: 4.32)

6. "Suitably fabricated ternary nanocomposite (Cu-CuO@rGO-SiO_2) as sustainable and common heterogeneous catalyst for C–S, C–O & C–N coupling reactions" Prasun Choudhury, Sujit Ghosh, Kinkar Biswas and Basudeb Basu* *Nanoscale*, 2024. https://doi.org/10.1039/D4NR01116C (IF: 6.7)

Review Article

1. "Advances and Prospects of Graphene Oxide (GO) as Heterogeneous 'carbocatalyst'", Debasish Sengupta, Sujit Ghosh and Basudeb Basu*, *Current Org. Chem.*, 2017, *21*, 834–854. http://dx.doi.org/10.2174/1385272820666161021102757 (IF: 2.23)

2. "Microwave-induced Triazole Synthesis via 1,3-dipolar azide-alkyne cycloaddition: Recent Advances", Sujit Ghosh and Basudeb Basu*, *Current Green. Chem.*, 2017, *3*, 19–213. http://dx.doi.org/10.2174/2213346104666170130143600 (IF: 2.2)

3. "Task-Specific Properties and Prospects of Ionic Liquids in Cross-Coupling Reactions" Bablee Mandal, Sujit Ghosh and Basudeb Basu*, *Top. Curr. Chem.*, 2019, *377*, 1–43. (IF: 7.41)

4. "Ion-exchange Resins and Polypeptide Supported Catalysts: A Critical review", Kinkar Biswas, Sujit Ghosh and Basudeb Basu*, *Current Green Chem.*, 2020, *7*, 40–52. (IF: 2.2)

5. "Recent Advances in Microwave Promoted C-P Cross-coupling Reactions", Sujit Ghosh, Kinkar Biswas and Basudeb Basu*, *Current Microwave Chem.*, 2020, *7*, 112–122. (Peer Reviewed)

6. "Metal-free multicomponent approach for the synthesis of propargylamine: a review", Sujit Ghosh, Kinkar Biswas*, *RSC Adv*., 2021, *11*, 2047–2065. (IF: 4.04)

7. Microwave-assisted synthesis of indolizine derivatives: Recent developments: A review (2003-present) Sujit Ghosh, Kinkar Biswas*, Synth. Commun., 2023, 54, 1-21. (IF: 1.937)

Book Chapter

1. "Cross Dehydrogenative Coupling" (CDC) reaction: Mechanism and intermediates with recent reports" In "A Book on Fascinating Science", Chapter-2, under Chemical Science, p. 50-65, November, 2021, Reader Service Publishers, ISBN: 978-93-82623 (National Publisher).

2. "Applications of Indole-based derivatives in Therapeutic/Medicinal Use: Recent development" In "Recent Advancement in Therapeutic Use of Chemical Compounds and Drug Delivery", Chapter-10, p. 113- 126, January, 2022, Walnut Publishers, ISBN: 978-9- 390785-16-2 (Paperback); 978-9-390785-24-7 (eBook), (International Publisher).

3. "Ion Exchange Resin: A Versatile Heterogeneous Catalyst: Recent Update" In "Application of Some Carbonaceous Materials: An Emerging Trend" Chapter-10, p. 115-126, May, 2023, Lambert Publishers, ISBN: 978-620-6-16133-2 (International Publisher).

4. Recent approaches toward the synthesis of 1,2,3-triazoles using multicomponent technique. In "Multicomponent Synthesis". Chapter-7, p. 253- 303, December, 2023, De Gruyter, ISBN: 978-311-0-98611-2 (International Publisher).

5. "Recent Development of Graphene Quantum Dot (GQD)" In Drug Delivery: (2018-2023)" In "Sustainable Research Practices in Chemical Science" Chapter-5, p. 62-83, February, 2024, Walnut Publisher, ISBN: 978-93-5911-910-6 (International Publishers).

Sujit Ghosh